

Title (en)  
PREDICTIVE POSITION ENCODING

Title (de)  
PRÄDIKTIVE POSITIONSKODIERUNG

Title (fr)  
CODAGE DE POSITION PRÉDICTIF

Publication  
**EP 2777018 A1 20140917 (EN)**

Application  
**EP 11875559 A 20111107**

Priority  
CN 2011081880 W 20111107

Abstract (en)  
[origin: WO2013067674A1] A method and apparatus for position coding of three dimensional mesh models are described including estimating a symbol probability of a non-empty-child-cell C1,k, where Q1,k denotes the kth cell at layer /, wherein the symbol probability is estimated based on an accuracy of a fitted plane P, sub-dividing the non-empty-child-cell to produce a sub-cell, if the non-empty-child-cell has more than one vertex, determining if there are more unprocessed non-empty-child-cells at layer /, if there are no more unprocessed non-empty-child-cells at layer /, determining if all non-empty-child-cells at layer / have only one vertex and a distance between the center of the sub-cell and a point inside the sub-cell is less than or equal to a first threshold and entropy coding symbols representing a position of the non-empty-child-cells, if all non-empty-child-cells at layer / have only one vertex and the distance between the center of the sub-cell and the point inside the sub-cell is less than or equal to the first threshold.

IPC 8 full level  
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